

SECTION 1 - CHEMICAL**TRADE NAME:** Invisible Coin and Metal Lacquer**PRODUCT ID:** FS-LCTCMI**DATE:** 31 July 2014**SUPERSEDES DATE:** 27 January 2016**MANUFACTURER:** ID Technologies & Forensics**ADDRESS:** 3231 W. MacArthur Blvd.

Santa Ana, CA 92704

Ph. 714-979-1405 www.IDTecholoiges.com

The intended uses of the chemical(s): This product is used in forensics. *Standard industrial classification (SIC):* 2835

The public cannot use the chemical; trained professionals use the chemical only.

24/7 EMERGENCY PHONE: INFOTRAC 800-535-5053 Call collect internationally 714-979-1405

24/7 HEALTH EMERGENCIES: 800-222-1222 National Poison Control Center.

SECTION 2 - HAZARDS IDENTIFICATION**GHS:****SIGNAL WORD: DANGER**

Avoid contact with eyes and skin. Keep out of reach of children.

The product may be harmful if it is inhaled or swallowed.

POTENTIAL HEALTH EFFECTS:**CODE OF HAZARD STATEMENTS:***Physical hazards.*

H228-Flammable liquid.

Health Hazards.

H315-Causes skin irritation.

H320-Causes eye irritation.

H333-May be harmful if inhaled.

Environmental hazards.

H402-Harmful to aquatic life.

CODE OF PRECAUTIONARY STATEMENTS:*General.*

P101-Keep out of reach of children.

P103-Read label before use.

Prevention statements.

P202-Do not handle until all safety precautions have been read and understood.

P261-Avoid breathing fume/gas/mist/vapor spray.

P262-Do not get in eyes, on skin or on clothing.

P264-Wash thoroughly after handling.

P270-Do not eat, drink or smoke when using this product.

P280-Wear protective gloves/protective clothing/eye protection/face protection.

Response statements.

P312-Call a POISON CENTER or doctor/physician if you feel unwell.

P331-DO NOT induce vomiting.

P340, Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P352, Wash with plenty of soap and water.

P362, Take off contaminated clothing and wash before reuse.

Storage.

P403-Store in a well-ventilated area.

ROUTES OF ENTRY: Eye contact, skin adsorption, ingestion and inhalation.**CARCINOGENICITY:** None.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS #	EINECS #	%	REACH Reg. #
Methanol	867-56-1	200-659-6	NA	Yes
Fluorescent Dye	16470-24-9	200-521-2	NA	Yes
Heptane	142-82-5	205-563-8	NA	Yes
Acetone	67-64-1	203-625-9	NA	Yes
Toluene	108-88-3	205-563-8	NA	Yes
Isopropanol	67-17-5	205-578-6	NA	Yes
Ethanol	64-17-5	205-578-6	NA	Yes
Methyl isobutyl keytone	108-10-1	205-550-1	NA	Yes

Note the individual percentages are proprietary. See section 8 for PPE.

SECTION 4 - FIRST AID MEASURES

INHALATION: Move to fresh air free from risk of further exposure. If person not breathing call 9-1-1, then apply rescue breathing. Seek medical attention as soon as possible.

EYE CONTACT: Flush with clean, lukewarm water raising upper and lower eyelids at low pressure for 15 minutes. Remove contact lenses, if present, after the first five minutes and continue to rinse the eyes. Seek medical attention if no relief.

SKIN CONTACT: Rinse area with clean water for 15-20 minutes. Call poison control center or doctor for treatment advice.

INGESTION: Call a poison controbcenter or doctor immediately for treatment advice. DO NOT INDUCE VOMITING. Lower the head when person is vomiting to minimize entry into throat and lungs.

SECTION 5 - FIREFIGHTING MEASURES

FLASHPOINT AND METHOD: 60°F (15.6°C)

FLAMMABLE LIMITS: LEL = 6% UEL = 36%

EXTINGUISHING METHOD: Use dry chemicals, carbon dioxide and foam.

FIRE OR EXPLOSION HAZARDS: Avoid open flames, sparks, ignition sources or static discharge. This material under complete combustion will form oxides of carbon.

SPECIAL FIREFIGHTING PROCEDURES: Keep upwind of fire. Full emergency equipment with self-contained breathing apparatus and full protective clothing to be worn by firefighters

SECTION 6 - ACCIDENTAL RELEASE MEASURES**SPILL OR LEAK PROCEDURES:**

Wear PPE; product is flammable. Keep away from sources of ignition. Avoid breathing vapor or mist. Isolate the area and prevent material from getting into waterways.

Absorb liquid with vermiculite, sand or other inert absorbent and place the collected material in a closed container. Use non-sparking tools.

Finish cleaning the area with small amounts of soap and water on the spill area.

SECTION 7 - HANDLING AND STORAGE**STORAGE TEMPERATURE:**

Keep container tightly closed and keep in cool dry area. Provide a cool well-ventilated area.

SPECIAL SENSITIVITY: Avoid contact with skin and eyes, wear PPE (in section 8).

HANDLING AND STORAGE PRECAUTIONS: Avoid breathing the vapor or mist. Use normal safety procedures and good personal hygiene. Wash thoroughly after use and before eating, drinking, chewing gum or using tobacco.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE PROTECTION: Use safety glasses or goggles (EN 166), there is potential for vapor or mist exposure to cause injury to the eyes.

SKIN PROTECTION: Wear chemical resistant glove (Nitrile.) Wear long sleeve shirts, long pants and shoes and socks.

RESPIRATORY PROTECTION: Wear respirator if the airborne conditions result in an aerosol forming ((NIOSH/MSHA TC 23C).

SAFETY DATA SHEET

INVISIBLE COIN AND METAL LACQUER

OSURE LIMITS: OSHA PEL TWA; Methanol 260 mg/m³, Heptane, 1600

OCCUPATIONAL EXP

mg/m³, Acetone, 1600 mg/m³, Toluene, 375 mg/m³, Isopropanol, 980 mg/m³ and Methyl isobutyl ketone, 240 mg/m³.

ENGINEERING CONTROLS: Provide adequate ventilation when product is used. Eyewash and shower should be provided in mixing and loading areas.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Amber liquid.
Odor: Mild odor.
Solubility: Soluble in water
Specific gravity (water=1) <1
Boiling point: 148 °F (64.4 °C)
V.O.C. of material: 100%

Note: These physical data are typical values based on material tested but may vary from sample to sample

SECTION 10 - REACTIVITY

STABILITY: This product is stable material under normal conditions of storage and handling.

HAZARDOUS POLYMERIZATION: Will not polymerize.

CONDITIONS TO AVOID: Avoid all ignition sources.

INCOMPATIBLES: Avoid strong oxidizing agents and metals.

DECOMPOSITION PRODUCTS: Product will burn and the products of complete combustion are oxides of carbon.

SECTION 11 - TOXICOLOGICAL/ECOLOGICAL INFORMATION

Oral LD₅₀ (rat) = NE LC₅₀ (rat) = NE

The significant routes of exposure are eyes, skin, ingestion and inhalation.

SECTION 12 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: The product is a flammable liquid, wear PPE as outlined in Section 8. Dispose according to the regulations of local, state and Federal regulatory agencies.

SECTION 13 - TRANSPORTATION INFORMATION

US DOT (ground) SHIPPING NAME:

UN1992, Flammable liquid, Toxic, N.O.S., (Methanol), I

IATA (air) SHIPPING NAME: CARGO AIRCRAFT ONLY

UN1992, Flammable liquid, Toxic, N.O.S., (Methanol), I

Use packing instruction 303, quantity limited to 30 L (7.93 gals)

IMO (water) SHIPPING NAME:

UN1992, Flammable liquid, Toxic, N.O.S., (Methanol), I

Use packing instruction P001.

SECTION 14 - REGULATORY INFORMATION

OSHA STATUS: Flammable.

TSCA STATUS: None.

CERCLA REPORTABLE QUANTITY: Acetone, 5000 lbs, (2268 kgs), Methanol, 5000 lbs (2268 kgs), methyl isobutyl ketone, 5000 lbs (2268 kgs) and Toluene, 1000 lbs. (454 kgs).

CALIFORNIA PROPOSITION 65: Toluene, developmental.

RCRA STATUS: F003, Acetone, Methanol and Methyl isobutyl ketone, F005, Toluene.

SARA 311/312 HAZARD NOTIFICATION/REPORTING

IMMEDIATE Y FIRE Y SUDDEN RELEASE OF PRESSURE N

DELAYED Y REACTIVE Y

SARA TITLE III:

SECTION 302 EXTREMELY HAZARDOUS: None.

SECTION 311/312 HAZARD CATEGORIES: None.

SECTION 313 TOXIC CHEMICALS: Methanol, Methyl isobutyl ketone and Isopropanol.

RIGHT TO KNOW: All listed ingredients are found in MA, NJ and PA.

EUROPEAN COMMUNITY:  

WHMIS: 

SECTION 15 – OTHER INFORMATION/APPROVALS

National Fire Protection Association (NFPA)
 Hazardous Materials Identification System (HMIS)
 NFPA HMIS

	0 Least	
3 Health	1 Slight	3 Health
4 Flammability	2 Moderate	4 Flammability
1 Instability	3 High	1 Reactivity
	4 Severe	H PPE

SECTION 16 – ABBREVIATIONS /DISCLAIMER

REASON FOR ISSUE: This new SDS complies with GHS regulations (Section 2 pictograms) and REACH compliance (Section 3).

APPROVAL DATE: 5 August 2018

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ABBREVIATIONS:

CAS # Chemical Abstract Service Number

°C Celsius temperature scale

Prop. Proprietary

TLV Threshold Limit Value

STEL Short-term Exposure Limit

OSHA Occupational Safety & Health

NFPA National Fire Protection Agency

Information System

NTP National Toxicology Program

RCRA Resource Conservation Recovery ACT

EC₅₀ Effective Dose

LD₅₀ Lethal Dose

LEL Lower explosive limit

NDA No Data Available

NE None established

< Less Than or Equal To

CNS Central Nervous System

DSL Canada

EEC European Economic Commission

EU European Union

MAK Germany

PICCS Philippines

UK United Kingdom

VOC Volatile organic content

ACGIH American Conference of Government Industrial Hygienists

SARA Superfund Amendments and Re-authorization Act

AICS Australian Inventory of Chemical Substances

IARC International Agency for Research on Cancer

Taiwan List of Toxic Chemical Substances regulated under Taiwan Toxic Chemical Substances Control Act of 1086

EINECS European Inventory of existing

Commercial Chemical Sales

°F Fahrenheit temperature scale

PE Personal Protective Equipment

TWA Time Weighted Average

PEL Permissible Exposure Limit

NIOSH National Institute of Safety & Health

WHMIS Workplace Hazardous Materials

IARC Int. Agency for Research on Cancer

TSCA Toxic Substance Control Act

LC₅₀ Lethal Inhalation Concentration

CAS Chemical Abstract Service Number

UEL Upper explosive limit

ND Not determined

NA Not Applicable

> Greater Than or Equal To

CI China

ECL Korean Existing Chemicals List

ENCS Japanese Existing and New Chemical List

MAC Netherlands

MITI Japan

SWISS Giftliste 1

USA United States

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